

1160~1260nm PM Optical Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks



SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1178, 1188, 1200, 1230, 1250
Bandwidth	nm	+/-10
Isolation (λ_c +/-10nm, 23°C)	dB	≥22
Insertion Loss (λ_c +/-10nm, 23°C)	dB	≤1.6
Optical Return Loss (Input/Output)	dB	45/45
Extinction Ratio	dB	≥18
Working Mode	S Type	-
	F Type	-
		Can only work in Slow Axis
		Can work both in Slow Axis and Fast Axis
Fiber Type	-	PM980 Fiber
Fiber Tensile Load	N	5
Max. Optical Power (CW)	mW	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm
	Metal Box	mm
		Ø5.5x ^L 35
		^L 120x ^W 12x ^H 10

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FPIS-NNNN	-	C	- (C)	C	C	NN	- CC/CCC
Center Wavelength	Type	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1178~1178nm	S= S Type	M= Metal Box	2= PM980 Fiber	B= Bare Fiber	05= 0.5m	N= Without Connector	
1200~1200nm	F= F Type	Blank for SST		L= Loose Tube	10= 1.0m	FC/APC= FC/APC Connector	
1230~1230nm				2= 2mm Cable	15= 1.5m	LC/PC= LC/PC Connector	
1250~1250nm				3= 3mm Cable	20= 2.0m	SC/UPC= SC/UPC Connector	